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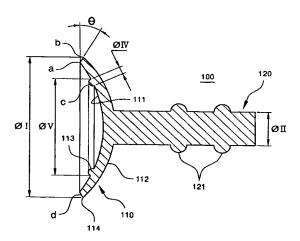
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(54) Title: A SUCKER WITH AN ANNULAR PROJECTION ON ADHESION SURFACE AND ADHESION ARROW HAVING THE SUCKER



(57) Abstract: The present invention relates to a sucker and an adhesion arrow having the same. More particularly, the present invention provides a sucker that can be attached, instead of a needle, to an arrow for a toy arrow shooter. The sucker of the present invention is formed with an annular projection on an adhesion surface of the sucker. Thus, even when the sucker collides against a target at a high speed, the sucker can be prevented from bouncing back from the target due to a repulsive force generated from the collision and thus securely adhere to the target. Further, even though the sucker of the present invention flies and collides against the target at a certain angle, the sucker can easily adhere to the target. Further, the sucker is made of a soft material so that a repulsive force can be smaller than an adhesion force when the sucker collides against the target. When a user shoots the adhesion arrow of the present invention by blowing it received in a shooting tool, the sucker is not caught by an inner circumferential surface of the tubular shooting tool so that the adhesion arrow of the present invention can be easily shot.







For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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International application No.

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A. CLA	SSIFICATION OF SUBJECT MATTER						
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According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SHARCHED							
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C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	citegory* Citation of document, with indication, where appropriate, of the relevant passages						
x	US 4,537,176(David M. Stravitz) (Aug. 27, 1985) (Lines 46 - 48 in Para. 2, Figs. 15, 16, 28)	1 - 3					
A	US 3,954,266(Andrew J. Carrano) (May 4, 1976) (Lines 61 - 68 in Column. 3, Lines 1 - 19 in Column	3					
A	US 3, 997,162(Francis E. Scullin) (Dec. 14, 1976) (Figs. 4 - 7)		4				
		,					
	documents are listed in the continuation of Box C.	X See patent family	annex.				
"A" document to be of pa "E" earlier app filing date document clied to es special ror "O" document mozus "P" document	ategories of cited documents:  defining the general state of the art which is not considered uticular relevance plication or patient but published on or after the international which may throw doubts on priority claim(s) or which is stablish the publication data of citation or other ason (as specified) referring to an oral disclosure, use, exhibition or other published prior to the international filing date but later iterity date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same parent family					
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